



SEQUENCE LISTING

<110> Pallaoro, Michele

Gallinari, Paola

Altamura, Sergio

Steinkuhler, Christian

<120> METHOD FOR IDENTIFYING HISTONE

DEACETYLASE INHIBITORS

<130> ITR0053YP

<140> 10/582,621

<141> 2006-06-12

<150> PCT/EP2004/014159

<151> 2004-12-10

<150> 60/530,540

<151> 2003-12-18

<160> 6

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 214

<212> DNA

<213> Artificial Sequence

<220>

<223> P21 minimal promoter

<400> 1

tgctggaact cggccaggct cagctggctc ggcgctgggc agccaggagc ctggggccccg 60
gggagggcgg tcccggggcg cgcggtgggc cgagcgcggg tcccgcctcc ttgagggcggg 120

cccgggcggg gcggttgat atcagggccg cgctgagctg cgccagctga ggtgtgagca 180
gctgccgaag tcagttcctt gtggagccaa gctt 214

<210> 2

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR forward primer

<400> 2

taacggaaga tcttgctgga actcggccag gctcagc 37

<210> 3

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR reverse primer

<400> 3

actcggtagt accaagcttg gtcacacaag gaactgactt cggc 44

<210> 4

<211> 5499

<212> DNA

<213> Artificial Sequence

<220>

<223> Plasmid p21m-BLA

<400> 4

gacggatcgg gagatcttgc tggaactcgg ccaggctcag ctggctcggc gctgggcagc 60
caggagcctg ggccccgggg agggcggtcc cgggcggcgc ggtgggcca gcgcgggtcc 120
cgctccttg aggcggggccc gggcggggcg gttgtatatc agggccgcgc tgagctgcgc 180

cagctgaggt gtgagcagct gccgaagtca gttccttgtg gagccaagct tggtagacc 240
atggacccag aaacgctggt gaaagtaaaa gatgctgaag atcagttggg tgcacgagtg 300
ggttacatcg aactggatct caacagcggg aagatccttg agagttttcg cccgaagaa 360
cgttttccaa tgatgagcac ttttaaagtt ctgctatgtg gcgcggtatt atcccgtatt 420
gacgccgggc aagagcaact cggtcgccgc atacactatt ctacagaatga cttgggttgag 480
tactcaccag tcacagaaaa gcatcttacg gatggcatga cagtaagaga attatgcagt 540
gctgccataa ccatgagtga taacactgcg gccaaacttac ttctgacaac gatcggagga 600
ccgaaggagc taaccgcttt tttgcacaac atgggggatc atgtaactcg ccttgatcgt 660
tggaaccgg agctgaatga agccatacca aacgacgagc gtgacaccac gatgcctgta 720
gcaatggcaa caacgttgcg caaactatta actggcgaaac tacttactct agcttcccg 780
caacaattaa tagactggat ggaggcggat aaagttgcag gaccacttct gcgctcggcc 840
cttcgggtg gctggkttat tgctgataaa tctggascgg gtgagcgtgg gtctcgcgg 900
atcattgcag cactggggcc agatggtaag ccctcccgta tcgtagttat ctacacgacg 960
gggagtcagg caactatgga tgaacgaaat agacagatcg ctgagatagg tgcctcactg 1020
attaagcatt ggtaatctag agggccctat tctatagtgt cacctaaatg ctgagctcg 1080
ctgatcagcc tcgactgtgc cttctagttg ccagccatct gttgtttgcc cctccccgt 1140
gccttccttg accctggaag gtgccactcc cactgtcctt tcctaataaa atgaggaaat 1200
tgcatcgcag tgtctgagta ggtgtcattc tattctgggg ggtggggtgg ggcaggacag 1260
caaggggggag gattgggaag acaatagcag gcatgctggg gatgcgggtg gctctatggc 1320
ttctgaggcg gaaagaacca gctggggctc taggggggat cccacgcgc cctgtagcgg 1380
cgcattaagc gcggcgggtg tgggtggtac gcgcagcgtg accgctacac ttgccagcgc 1440
cctagcgcgc gctcctttcg ctttcttccc ttcctttctc gccacgttcg ccggctttcc 1500
ccgtcaagct ctaaatcggg gcatcccttt aggggtccga tttagtgtt tacggcacct 1560
cgaccccaaa aaacttgatt aggggtgatg ttcacgtagt gggccatcgc cctgatagac 1620
ggtttttcgc cctttgacgt tggagtccac gttctttaat agtggactct tgttccaaac 1680
tggaacaaca ctcaacccta tctcggtcta ttcttttgat ttataaggga ttttggggat 1740
ttcggcctat tggttaaaaa atgagctgat ttaacaaaaa tttaacgcga attaattctg 1800
tggaatgtgt gtcagttagg gtgtggaaag tccccaggct cccaggcag gcagaagtat 1860
gcaaagcatg catctcaatt agtcagcaac cagggtgtgga aagtccccag gctccccagc 1920
aggcagaagt atgcaaaagc tgcactcaa ttagtcagca accatagtcc cgcccctaac 1980
tccgcccata ccgcccctaa ctccgcccag tccgcccct tctccgcccc atggctgact 2040
aatttttttt atttatgcag aggccgaggc cgctctgcc tctgagctat tccagaagta 2100
gtgaggaggc ttttttgag gcctaggctt ttgcaaaaag ctcccgggag cttgtatatc 2160
cattttcggg tctgatcaag agacaggatg aggatcgttt cgcagtattg aacaagatgg 2220
attgcacgca ggttctccgg ccgcttgggt ggagaggcta ttcggctatg actgggcaca 2280
acagacaatc ggctgctctg atgccgccgt gttccggctg tcagcgcagg ggcccccgg 2340
tctttttgtc aagaccgacc tgtccggtgc cctgaatgaa ctgcaggacg aggcagcgcg 2400

gctatcgtgg ctggccacga cgggcgttcc ttgcgcagct gtgctcgacg ttgtcactga 2460
agcgggaagg gactggctgc tattgggcga agtgccgggg caggatctcc tgtcatctca 2520
ccttgctcct gccgagaaaag tatccatcat ggctgatgca atgcggcggc tgcatacgct 2580
tgatccggct acctgcccac tcgaccacca agcgaaacat cgcacgcagc gagcacgtac 2640
tcggatggaa gccggtcttg tcgatcagga tgatctggac gaagagcatc aggggctcgc 2700
gccagccgaa ctgttcgcca ggctcaaggc gcgcacgccc gacggcgagg atctcgtcgt 2760
gacccatggc gatgcctgct tgccgaatat catggtggaa aatggccgct tttctggatt 2820
catcgactgt ggccggctgg gtgtggcgga ccgctatcag gacatagcgt tggctacccg 2880
tgatattgct gaagagcttg gcggcgaatg ggctgaccgc ttcctcgtgc tttacggtat 2940
cgccgctccc gattcgcagc gcatcgcctt ctatcgcctt cttgacgagt tcttctgagc 3000
gggactctgg gggtcgaaat gaccgaccaa gcgacgcccac acctgccatc acgagatttc 3060
gattccaccg ccgccttcta tgaaagggtg ggcttcggaa tcgttttccg ggacgccggc 3120
tggatgatcc tccagcgcg ggatctcatg ctggagttct tcgcccaccc caacttgttt 3180
attgcagctt ataatggtta caaataaagc aatagcatca caaatctcac aaataaagca 3240
tttttttcac tgcattctag ttgtggtttg tccaaactca tcaatgtatc ttatcatgtc 3300
tgtataccgt cgacctctag ctagagcttg gcgtaatcat ggtcatagct gtttcctgtg 3360
tgaaattggt atccgctcac aattccacac aacatacgag ccggaagcat aaagtgtaaa 3420
gcctgggggtg cctaatagagt gagctaactc acattaattg cgttgcgctc actgcccgct 3480
ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa tcggccaacg cgcggggaga 3540
ggcggtttgc gtattgggcg ctcttcgctt tctcgtcctc ctgactcgct gcgctcggtc 3600
gttcggctgc ggcgagcggc atcagctcac tcaaaggcgg taatacgggt atccacagaa 3660
tcaggggata acgcaggaaa gaacatgtga gcaaaaaggc agcaaaaaggc caggaaccgt 3720
aaaaaggccg cggttgctggc gtttttccat aggcctccgc cccctgacga gcatcacaaa 3780
aatcgacgct caagtcagag gtggcgaaac ccgacaggac tataaagata ccaggcgttt 3840
ccccctggaa gctccctcgt gcgctctcct gttccgaccc tgccgcttac cggataacctg 3900
tccgcctttc tcccttcggg aagcgtggcg cttctcctcaat gctcacgctg taggtatctc 3960
agttcgggtg aggtcgttcg ctccaagctg ggctgtgtgc acgaaccccc cgttcagccc 4020
gaccgctgcg ccttatccgg taactatcgt cttgagtcca acccggttaag acacgactta 4080
tcgccactgg cagcagccac tggtaacagg attagcagag cgaggatatg aggcgggtgct 4140
acagagttct tgaagtgggt gcctaactac ggctacacta gaaggacagt atttgggtatc 4200
tgcgctctgc tgaagccagt taccttcgga aaaagagttg gtagctcttg atccggcaaaa 4260
caaaccaccg ctggtagcgg tggttttttt gtttgcaagc agcagattac gcgcagaaaa 4320
aaaggatctc aagaagatcc tttgatcttt tctacgggggt ctgacgctca gtggaacgaa 4380
aactcacgtt aagggatctt ggtcatgaga ttatcaaaaa ggatcttcac ctagatcctt 4440
ttaaatataa aatgaagttt taaatcaatc taaagtatat atgagtaaac ttgggtctgac 4500
agttaccaat gcttaatcag tgaggcacct atctcagcga tctgtctatt tcgttcaccc 4560
atagttgcct gactccccgt cgtgtagata actacgatac gggaggggctt accatctggc 4620

```

cccagtgctg caatgatacc gcgagaccca cgctcaccgg ctccagattt atcagcaata 4680
aaccagccag ccggaagggc cgagcgcaga agtgggtcctg caactttatc cgcctccatc 4740
cagtctatta attggtgccg ggaagctaga gtaagtagtt cgccagttaa tagtttgccg 4800
aacgttggtg ccattgctac aggcacgtg gtgtcacgct cgtcgtttgg tatggcttca 4860
ttcagctccg gttcccaacg atcaaggcga gttacatgat ccccatgtt gtgcaaaaaa 4920
gcggttagct ccttcggtcc tccgatcggt gtcagaagta agttggccgc agtggttatca 4980
ctcatgggta tggcagcact gcataattct cttactgtca tgccatccgt aagatgcttt 5040
tctgtgactg gtgagtactc aaccaagtca ttctgagaat agtgatgcg gcgaccgagt 5100
tgctcttgcc cggcgtcaat acgggataat accgcgccac atagcagaac tttaaaagtg 5160
ctcatcattg gaaaacgttc ttcggggcga aaactctcaa ggatcttacc gctggtgaga 5220
tccagttcga tgtaaccac tcgtgcaccc aactgatctt cagcatcttt tactttcacc 5280
agcgtttctg ggtgagcaaa aacaggaagg caaatgccg caaaaaaggg aataagggcg 5340
acacggaaat gttgaatact catactcttc ctttttcaat attattgaag catttatcag 5400
ggttattgtc tcatgagcgg atacatattt gaatgtattt agaaaaataa acaaataggg 5460
gttccgcgca catttccccg aaaagtgcc cctgacgtc 5499

```

<210> 5

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR forward primer

<400> 5

cgcgacatt tccccgaaaa gtgc

24

<210> 6

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR reverse primer

• ITR0053YP

<400> 6

gcatttaggt gacactatag aataggg

27